

WHAT IS CLAIMED IS

1. A high pressure plunger pump comprising at least two in-line cylinders, each of which is connected via respective conduits and relative valves to an intake manifold and to a delivery manifold, said cylinders
5 being provided within a single block together with said conduits and said manifolds, characterized in that the intake manifold is positioned in front of the line of cylinders and is in direct communication with the cylinders via a conduit connected to a dead compartment provided as an extension of the respective cylinder and in which the intake valve is located, retained in
10 position by deformable means.
2. A pump as claimed in claim 1, characterized in that the intake manifold has its axis coplanar with the cylinder axes.
3. A pump as claimed in claim 1, characterized in that the compartment containing the intake valve is cylindrical and coaxial with the respective
15 cylinder.
4. A pump as claimed in claim 1, characterized in that each cylinder communicates with the compartment containing the delivery valve via two parallel conduits.
5. A pump as claimed in claim 1, characterized in that the deformable
20 means are the actual valve seat sealing gaskets.
6. A pump as claimed in claim 1, characterized in that the deformable means are an elastic plate.